

Norfolk Southern Corporation Communications and Signal Department 99 Spring Street, S.W. Atlanta, Georgia 3O303

Illinois Commerce Commissioner

B.L. Sykes C hief Engineer C&S Engineering 4 O4/529-2105

April 29, 2004

061-04.4-45; 061-04.501; 061-04.502; 061-04.503;

061-04.504

Railroad Safety Program Administrator

χ-12193 π Το4-0064 534388 P

III I nois Commerce Commission RAIL SAFETY SECTION

Dear Mr. Stead:

P. O. Box 1928O

Mr. Michael E. Stead

527 East Capitol Avenue

Springfield, IL, 62794-9280

Please reference the Illinois Commerce Commission letter of December 23, 2003, regarding Stipulated Agreement No. 1068 for the installation of automatic warning devices at the Fifth Street, Entrance Avenue, Schuyler Avenue, Indiana Avenue (IL 50) and Greenwood Avenue highway rail grade crossings of the Norfolk Southern Railway Company's track, all located in the City of Kankakee, Kankakee County, IL, designated at crossings AAR/DOT 534 393L MP: 101.41-5E; AAR/DOT 534 392E, MP: 101.27-5E, AAR/DOT 534 391X, MP: 100.74-5E; AAR/DOT 534 390R, MP: 100.71-5E; and AAR/DOT 534 388P, MP: 100.5 1-5E, respectively.

We are providing to you two copies each of the detailed estimate, material list and preliminary engineering for these projects. Included are an estimate, material list and preliminary sketch for constant warning equipment to be installed and maintained by the Canadian National Railway that includes the starts for Schuyler Avenue, Entrance Avenue and Indiana Avenue. The Canadian National Railway's estimate was not included in the original agreement or order and will need to be included as an estimated cost of these projects reimbursable by the state/city.

Also attached are the original and two (2) duplicates of the FORM 3 for this project.

Please advise if additional information is needed to assist in the preparation of this project for installation.

Sincerely.

Attachment(s)

BLS\rhr\abb/rdl\rjs

Mr. T. W. Ambler, NS Corp., Norfolk, VA - w/copy of FORM 3 Cc:

Ms. Cheryl Cathey, IL DOT - w/plans, material list and estimate

STATE* DF ILLINOIS

ORIGINA

ILLINOIS COMMERCE COMMISSION

Petition for permission to make a major change in crossing

To the ILLINOIS COMMERCE COMMISSION:

attached to and forming part of this petition.

protection, or to install new protection under 92 Illinois

Administrative Code 1535.400 (d).

X-12193

Illinois Commerce Commission RAIL SAFETY SECTION

T04-0064

Date: April 29, 2004

The petitio	ner Norfolk Southern Railway Company shows
(1)	That it is a railroad company operating a line of railroad in the State of Illinois.
(2)	That petitioner proposes and hereby makes an application for authority to make a major change in crossing protection or to install new protection under 92 Illinois Administrative Code 1535.400(d) adopted by this Commission.
(3)	That the location of the crossing, nature of protection now established and proposed protection to be established and other pertinent facts in connection therewith, are set forth in the statement

(4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Installation of Flashing Light Crossing Signals with Gates and 12" lenses. Front and back lamp assemblies on both signal masts at: Greenwood Avenue in Kankakee, Kankakee County, Illinois, MP. KS-100.51, DOT: 534 388P Project No. 04.0483 File No. 061-04.501

(5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for a hearing, and that the Commission enter an order or adopt at resolution consenting to and granting authority for the making of the said proposed changes in or additions to the crossing protection.

Norfolk Southern Railway Company

R. H. Ray, Administrator Highway Grade Crossings

Thomas W. Ambler (Attorney for Petitioner)

Norfolk Southern Corporation Three Commercial Place Norfolk, VA 23510-2191 (Attorney's Address)

DOCKETED

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).

1. Name of Railroad Company:	Norfol	k Southern Railway Compar	ıy
2. Crossing Number:	534 38	8P	
3. Village or City:	Kankal	kee	
4. Name of Street or Highway:	Greenv	vood Ave.	MANAGEMENT
5. Public Agency Maintaining Highway	y: <u>City</u>	W	- Li Denis
6. Protection now established:			
Flashing Light crossing Sign	als with Reflect	orized Cross Buck and Bell.	
·			
7. Protection desired:			
Automatic Flashing Light Wa	rning Devices w	ith Gates and Bell. Train De	etection Equipment
controlled by Constant Warning	ng Time Circuit	"V.	
8. Number of main tracks	One	Other tracks	None
9. Number of passenger movements:			
6 a.m. to 6 p.m.	None	6 p.m. to 6 a.m.	None
10. Number of freight train movements:			
6 a.m. to 6 p.m.	Eight	6 p.m. to 6 a.m.	Six
11. Approximate number of switch mov	ements:		
6 a.m. to 6 p.m.	Three	6 p.m. to 6 a.m.	Two
12. Maximum speed of trains at crossing	g on each track is	n each direction:	
North/East 25 M.P.H.			
South/West25 M.P.H.			
13. Passenger platforms served by tracks	s within the limit	ts of track circuits, if any	None

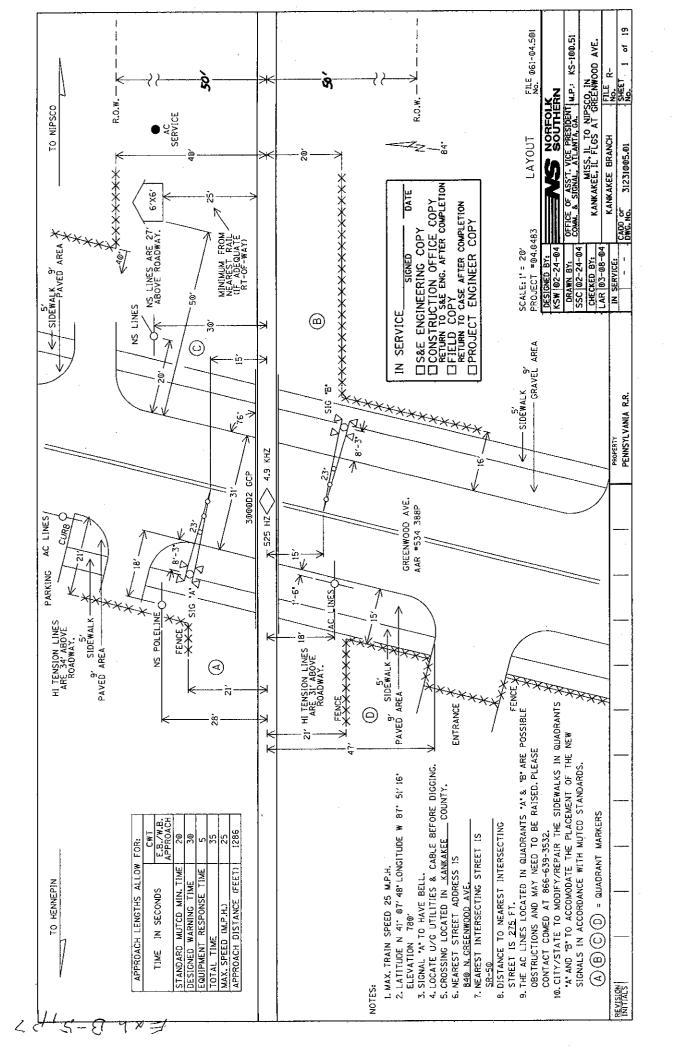
Where daily	e automatic signals or gates are proposed, approximate number of train or engine movements which would cause false indications or operation:
	None
 Natura	and approximate amount of street or highway traffic over crossing:
. mature	
	5,700 A.A.D.T. including Trucks and Buses
	tion to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed g. This plan should show:
(a)	Width and surface of highway.
(b)	Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
(c)	Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
(d)	Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
(e)	Show the length of each operating track section within the control limits of the crossing protection and its function.
	ADDITIONAL INFORMATION
]	Drawing attached for question no. 16
	·

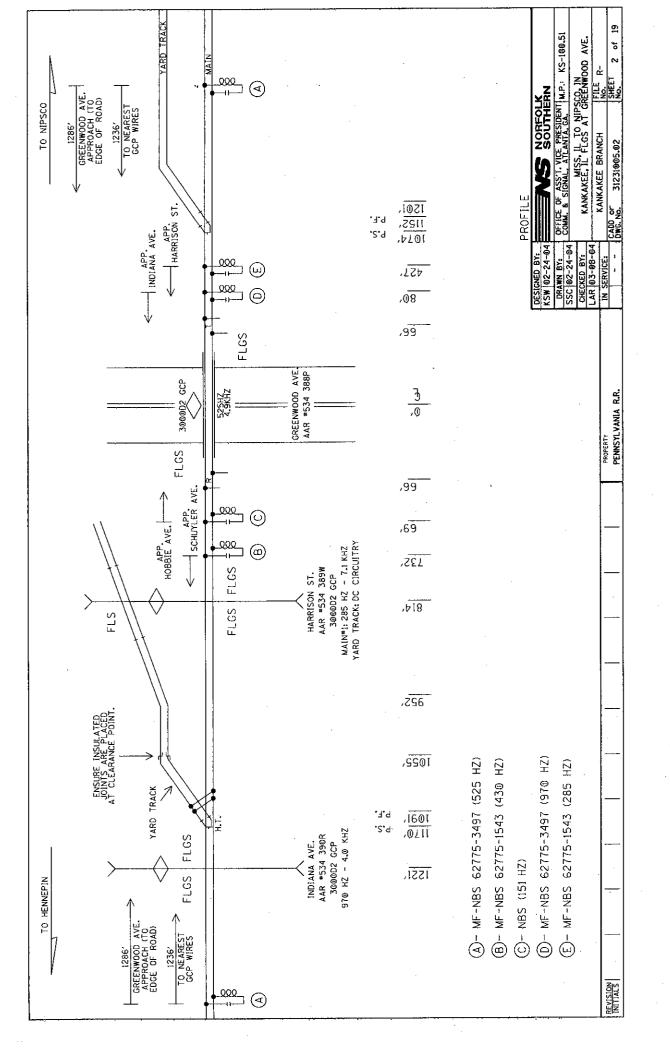
(File Original and Two Duplicates)

VERIFICATION

I, _	R. H. Ray	, first being	duly sworn upon oath depose and say that I am
	Administrator – Highway Grade Crossings	, of	Norfolk Southern Railway Company, a
	Virginia corporation; that I have read the attents thereof; that said contents are true in subsinformation and belief, and as to those, I be	tance and in	
			P.H. PE
			Administrator - Highway Grade Crossings
Sub	scribed and sworn to before me this 29t	h.	
day		·	
C	Notary Public - Georgia		

My Commission Expires:





Exh B-5, P1 19-Apr-04



Detailed Estimate for Grade Crossing Warning Devices

City/State: KANKAKEE, IL

Road: GREENWOOD AVE.

MilePost: KS-100.51

DOT/AAR: 534388P

State Proj. No.: STPRRP-000S

County: KANKAKEE

S&E Proj. No.: 04.0483

AFE: F01952

Man Days: 112

File Number: 061-04.501

Purchases - Other

Meals and Lodging:

\$9,750.00

Rental of Equipment:

\$21,320.00

(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 28 Days)

Construction Supervision Vehicle:

\$400.00

Contingencies:

\$540.00

Purchases - Other Total:

\$32,010.00

*** Material and Additives***

Material Cost:

\$65,140.00

Sales and Use Tax:

\$3,260.00

Material Handling Freight:

\$3,260.00

Material Total:

\$71,660.00

Labor and Additives

Labor Cost:

\$25,090.00

(4 man crew at \$896.00 a day for: 28 days)

Payroll Tax & Overheads:

\$21,720.00

Preliminary Engineering:

\$7,940.00

Construction Supervision:

\$7,080.00

Labor Total:

\$61,830.00

Subtotal:

\$165,500.00

Credit:

\$0.00

(Salvage/Scrap)

Project Total:

\$165,500.00

Estimated on: 19-Apr-04

Estimated by: ndney

Estimate valid for 1 year from date of estimate

Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	KANKAKEE
Road:	GREENWOOD AVE.
Milepost	KS-100.51
Drawing Number:	31231005
State Project Number:	STPRRP-000S
County:	KANKAKEE
A A R Number:	534388P
Project Number:	04.0483
File Number:	061-04.501
A F E Number:	F01952
Store Number:	8/690
Supervisor:	J.W. WILSON
Tax Code;	1200
Vendor to supply the following copies after pricing:	wing copies after pricing:

19-Apr-04

1 Set - Material Management with original invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/ copy of invoice

Exh 13-5, p2

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tore	Store No.: 06978		P.O. N	P.O. Number:	Date Required:	Date Shipped:			Vendor:		Safetran Systems Corp.	Согр.
Q. Ş	Class-Item-CD	5	Price per Item	Total Price	Item Description	3,00	Quantity	Ou Date Quan.	Quantity Installed e Date E n. Quan. Q	alled Date Quan.	Quantity Returned (Credit)	Special Instructions
က	670-360693-4	\$	\$4.82	\$14.46	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN.		;			:		
-	165-006505-4	Ą	\$1,028.00	\$1,028.00	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE							
2	670-001404-4	A	\$326.77	\$653.54	ARM, GATE FIBERGLASS-ALUMINUM 25-31 FT. L&W OR US&S OR SAFETRAN 076600-320017 OR	T. L&W OR						:
13	105-871901-4	a	\$154.22	\$2,004.81	BATTERY, GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS	CELL 2.25						
-	670-503047-4	æ	\$185.75	\$185.75	BELL, CROSSING ELECTRONIC GENERL SIGNAL, EB-3-360-5 CR 02-044350	NAL, EB-3-						
2	670-980689-4	₽	\$63.71	\$127.41	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE	6, WALRUS						
2	670-561375-4	Ą	\$1,201.20	\$2,402.40	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS	RING GATE 28'						
400	465-292862-4	4	\$1.00	\$401.16	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR	2-3933						
400	465-292929-4	5	\$3.00	\$1,199.44	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL	PER CABLE						
400	465-939422-4	5	\$2.56	\$1,023.40	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL	LID EACH						
300	465-277674-4	E	\$2.80	\$841.23	CABLE, UG 3CD NUMBER 6 FOR HIGH CURRENT AC POWER OKONITE 206-11-6 243	ENT AC			•			
120	165-544477-4	L.	\$2.00	\$239.47	CONDUIT, 4"x10" PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4	ONNECTOR 3-4						:
2	670-090450-4	Ę	\$49.62	\$99.25	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W	1000-2W						
2	670-486646-4	ā	\$40.66	\$81.32	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W	A1000-1W			-			

APPROVED BY RAILROAD

APPROVED BY STATE

CAR NUMBER

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Store	Store No.: 06978		P.O.1	P.O. Number:	Date Required:	Date Shipped:	÷		Vendor:		Safetran Systems Corp.	Corp.
Q.	Class-Item-CD	5	Price per Item	Total Price	Item Description		Quantity Shipped	O Dat	Quantity Installed. e Date D	alled. Date Quan.	Quantity Returned (Credit)	Special Instructions
2	670-794453-4	\$	\$854.30	\$1,708.61	COUNTERWEIGHT PKAGE, 25-31'GATE S'TAN S- MECH ONLY, STAINLESS TO INCLUDE HUB, SUPPORT ARMS	AN S- MECH ORT ARMS						
4	670-760012-4	a	\$34.90	\$139.59	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. ====TO COVER 2 LAMPS====	r. 18 OZ. VER 2						
-	670-986650-4	Æ	\$361.26	\$361.26	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER	LEANING						
-	670-00004-4	₫	\$281.44	\$281.44	FCC LICENSE FOR MONITOR/RADIO							
9	670-00003-4	Ą	\$255.85	\$1,535.10	FILL/STONE #57, QUANITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST	CUCK LOAD						
2	670-015231-4	E	\$381.69	\$763.37	FOUNDATION, DIXIE, S-2 GATE 5'6" ASSEMBLED	(ED						
-	670-477991-4	4	\$292.81	\$292.81	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS, 200"#4WIRE, 12 4 WIRE ONE-SHOTS. ERICO SBK206	ES 8 GRD RICO SBK206						
-	670-123298-4	Æ	\$256.93	\$256.93	KIT, HARDWARE SUPPLIES REQUIRED X'ING P'CKAGES. WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS, P'GUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS, INE CAN BLUE MARKING PAINT ETC	G P'CKAGES. E, 100 EA NT ETC						
2	670-764166-4	Æ	60.706\$	\$1,814.18	LAMP ASSY, 5" MAST MTG. 2W IND. 20" BKGRD, FLX-12 W/BULB STRAN #042003-487XNS	3RD, FLX-12						
မ	165-643547-4	Æ	\$8.43	\$50.60	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1SC CLEAR RWY SIGNAL UJ-71463 GE	1/1SC CLEAR						
4	255-590880-4	ā	\$15.62	\$62.47	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"	YED ALIKE "NS SIG"						·
2	670-637778-4	\$	\$1,055.55	\$2,111.09	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. STRAN P# 070519-11AX.	ICT. BOX						
2	670-521147-4	Ë	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY STRAN # 074000-W00090	TACT '4000-W00090						
4	670-001347-4	a	\$57.98	\$231.90	PACKAGE, HARDWARE SIGN 5 IN MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR	VG, SERRMI						

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EA \$300 EA \$30	1	KANKAKEE		S&E P	S&E Proj. No.: 04.0483	AFE No.: F01952	Drawing No.:	31231005	10				Page 3/4
Price 1	Locati					Date Required:	ate Shipped:			Vendor :		an Systems	Согр.
Charges-literin-CD U1 Per literin Total Price Total Price Total Price Charges-Sex SCREW Stage Type FOR CIR CONTROLLER AND BTY BOX Shepped Quant	Store !	No.: 06978		7.	Authora:			-	Qua	ntity Insta	led	Quantity	
255-646807-4 EA \$9.49 \$9.49 \$9.49 PADLOO 670-514605-4 EA \$8.43 \$8.43 SAFETF 165-902002-4 EA \$308.00 \$308.00 EPD120 1 65-902002-4 EA \$308.00 \$308.00 EPD120 2 435-805560-4 EA \$5.329.57 \$12.50 SHELT 1 670-281280-4 EA \$5,329.57 \$5,329.57 SEARII 2 670-586967-4 EA \$7,006.00 \$7,006.00 ST,006.00 CHUTE 2 670-688850-4 EA \$34.74 \$69.49 \$40271 2 670-688850-4 EA \$350.27 \$112.84 CR 02-7011 2 670-66648-4 EA \$356.42 \$112.84 CR 02-701-71 2 670-751511-4 EA \$10.54 \$10.75 TAPE 2 670-006438-4 EA \$10.75 \$10.75 TAPE 3 670-330382-4 RL \$10.75 \$10.75 TAPE	Q.	Class-Item-CD	5	Price per Item	Total Price	Item Description	ĞΫ		Date Quan.	Date Quan.	Date Quan.	Returned (Credit)	Special Instructions
670-514605-4 EA \$8.43 \$8.43 SAFETH FINNACO FIGS-902002-4 EA \$308.00 \$308.00 EPD120 EPD	, [255-646807-4	\$	\$9.49	\$9.49	PADLOCK, SAFETRAN PART NO. 030399-29X SC TYPE FOR CIR CONTROLLER AND BTY. BOX	SREW	.:					
165-902002-4 EA \$308.00 \$308.00 FROTE 465-002899-4 EA \$20.86 \$83.51 PACKAA 455-002899-4 EA \$6.25 \$12.50 SHELT 670-391911-4 EA \$5,329.57 \$5,329.57 \$1.0D.1-6 670-281280-4 EA \$7,006.00 \$7,006.00 CHUTE 670-586967-4 EA \$34.74 \$69.49 #40271 670-688850-4 EA \$370.27 \$740.53 BAND 670-688850-4 EA \$356.42 \$112.84 \$1027 670-688850-4 EA \$356.42 \$112.84 \$1027 670-688850-4 EA \$10.54 \$112.84 \$1027 670-688850-4 EA \$10.54 \$10.76 \$1080, 670-688850-4 EA \$10.54 \$10.76 \$1000, 670-006438-4 EA \$10.54 \$10.76 \$1000, 670-006438-4 EA \$10.54 \$10.76 \$1000, 670-036438-4 EA </td <td>-</td> <td>670-514605-4</td> <td>\$</td> <td>\$8.43</td> <td>\$8.43</td> <td>PINNACLE, W-C SECT 1-11, 4"& 5" REF K1 110-8 SAFETRAN NO. @035045-503X</td> <td>SOR</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-	670-514605-4	\$	\$8.43	\$8.43	PINNACLE, W-C SECT 1-11, 4"& 5" REF K1 110-8 SAFETRAN NO. @035045-503X	SOR						
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435-805560-4 EA \$6.25 \$12.50 SHELTB 670-391911-4 EA \$5,329.57 \$5,329.57 ILOD,1-1-0D,1-0D,	4		4	\$20.88	\$83.51	REEL, CABLE DISPOSABLE FOR CROSSING SK PACKAGES	GNAL						
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670-281280-4 EA \$7,006.00 \$7,006.00 CHUTE 670-586967-4 EA \$370.27 \$69.49 #40271 SHUNT 670-688850-4 EA \$370.27 \$740.53 BAND 670-006438-4 EA \$10.54 \$112.84 CR 02-1751511-4 EA \$10.54 \$10.54 \$21.08 SIGN, 670-006438-4 EA \$10.54 \$10.55 \$10.75 \$10	-	670-391911-4	<u>a</u>	\$5,329.57	\$5,329.57	SEARII AUTOMATED INSPECTOR SYSTEM KIT, ILOD, 1-BSX, 2-GTS, 2- MTSS, 1-GFT, 1-VHFC, 2- RECORDER INTERFACE MODULE, 1 ECHELON CONNECTOR	-1 /w/ 1-						
670-586967-4 EA \$34.74 \$69.49 #40271 670-688850-4 EA \$370.27 \$740.53 BAND 870-806648-4 EA \$56.42 \$112.84 CR 02- 870-751511-4 EA \$35.58 \$71.17 1X 870-006438-4 EA \$10.54 \$21.08 SIGN, 1X 870-030382-4 RL \$10.75 \$10.75 "WARR	_	670-281280-4	ā	\$7,006.00	\$7,006.00	SHELTER BARE 6X6, ALUMN, FARADAY, W/CAI CHUTES BEHIND TERMINAL BOARD, W/GEN. C W/ADJUSTABLE PIERS, ,SAFTETRAN P/N 0584/	30NN. 00-66-78A				,		
670-688850-4 EA \$370.27 \$740.53 SHUNT 670-806648-4 EA \$56.42 \$112.84 CR 02- 670-751511-4 EA \$35.58 \$71.17 1X 670-006438-4 EA \$10.54 \$21.08 SIGN, 1X 670-330382-4 RL \$10.75 \$10.75 "WARR	2		₩.	\$34.74	\$69.49	SHUNT #40271	RMI						
670-806648-4 EA \$56.42 \$112.84 SIGN, CR 02- 670-751511-4 EA \$35.58 \$71.17 1X 670-006438-4 EA \$10.54 \$21.08 SIGN, TAPE, SIGN. 670-330382-4 RL \$10.75 \$10.75 "WARR	7		_ ≦	\$370.27	\$740.53	SHUNT, MULTI-FREQ. #62775-3497 SAFETRAN BAND	NARROW						
670-751511-4 EA \$35.58 \$71.17 1X 1X 670-006438-4 EA \$10.54 \$21.08 SIGN. 670-330382-4 RL \$10.75 \$10.75 "WARR	1		E E	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN CR 02-490546	N 035200-X						
670-006438-4 EA \$10.54 \$21.08 SIGN.	2		_ ₹	\$35.58	\$71.17	SIGN,	N# 035207-						
RL \$10.75 \$10.75			E E		\$21.08	TAPE, SIGN.	OF X-BUCK						
		1 670-330382-4	+		\$10.75	 	IGTHS.						

CAR NUMBER

SEAL NUMBER

APPROVED BY RAILROAD

APPROVED BY STATE

5, d'5-8 7×3

CAR NUMBER

Page 4/ 4	: Согр.		Special					
	Vendor: Safetran Systems Corp.	Quantity	Returned					
	Safetra	lled	Date					
	Vendor	Quantity Installed	Date					
35		Qua		Kodi.				
31231005			Quantity Date	Dodd:				
Drawing No.:	Date Shipped:				KGLE TRK SER, 2 RELAY	WITH I/S 670-	IE FARADAY	
33 AFE No.: F01952	Date Required:		Item Description		WIRED RACK, 6X6 FARADAY, 20AMP SINGLE TRK SSCCIIIA, GCP3000D2, 2 CRAGG CHARGER, 2 RELAY	RACKS, SAFTRAN PIN 20A 1TRK, USE I	281280-4 W/CABLE CHUTES BEHIND TH	SHELD
S&E Proj. No.: 04.0483	P.O. Number:		Total Price		\$25,580.50	•		
IL S&EF	P.O. P		Price per Item	•	\$25.580.50		_	
			=	5	Æ	ì	_	
Location: KANKAKEE	Store No.: 06978		CO modification	Class-licii-CC	1 670-258957-4 EA			
Locati	Store		Š	Ś	-	•		

Total Material \$65,140.46



Arne Skrodal
Signal Design Officer
Signals & Communications

Canadian National Railway 17641 South Ashland Avenue Homewood, Illinois 60430-1339

708-332-3271 708-332-3514 Fax

April 14, 2004 Kankakee, IL - PF

Mr. Gus B. Bankieris Manager Highway Crossing Signal Engineer Norfolk Southern Railway Co. 99 Spring St. Atlanta, GA 30303

Dear Mr. Bankieris:

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Attached are several copies of the estimate dated April 8, 2004 in the amount of \$105,080 and track plan for the necessary signal work by CN forces to install CWT through the interlocking plant at Kankakee, IL. The NS crossings proposed to be upgraded are Entrance Ave., Schuyler Ave. and Indiana Ave.

Sincerely,

cc: G. L. Paris

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ILLINOIS CENTRAL RAILROAD ENGINEERING DEPARTMENT SIGNALS AND COMMUNICATIONS

Kankakee, IL

Est 1007-401

Estimated cost of Signal work to provide two (2) crossing starts for Norfolk Southern Railway within Interlocking limits.

Central Division

Val Sec IL-1

ICC				UNIT	TOTAL
ACCT	ITEM DESCRIPTION	QUANT.	TINU	COST	COST

BCR

ADDITIONS AND BETTERMENTS

INSTRUMENT CASE, LOW DOUBLE	2.	EACH	3050.00	6100.00
CASE PIER, AP-392	4.	EACH	70.00	280.00
GCP3000D2,80110-111	1.	EACH	18946.00	18946.00
GCP3000D2,80110-113	1.	EACH	21184.00	21184.00
RECORDER INTERFACE, 80025	2.	EACH	250.00	500.00
RELAY, ST, 500 OHM, 400004	5.	EACH	583.00	2915.00
RECTIFIER, NRS, 20A	2.	EACH	429.00	858.00
RECTIFIER, NRS, 5V5A	2.	EACH	238.00	476.00
NARROW BAND SHUNT, 62775-3497	2.	EACH	431.00	862.00
DUAL WIDE BAND SHUNT, 8A077	2.	EACH	334.00	668.00
ADJUSTABLE INDUCTOR, 8A398-6	2.	EACH	400.00	800.00
BATTERY CHOKE, 8A065A	2.	EACH	212.00	424.00
BATTERY, NI-CAD, 165AH	20.	EACH	118.00	2360.00
WIRE, 2c/6 TW	300.	FEET	0.29	87.00
CABEL, 5c/14	1200.	FEET	0.36	432.00
MISC.SIGNAL MATERIAL	1.	L.S.	2000.00	2000.00
5 MAN GANG	8.	DAY	1100.00	8800.00
PRELIMINARY ENGINEERING	1.	L.S.	5000.00	5000.00
CONSTRUCTION ENGINEERING	1.	L.S.	275.00	275.00
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Est 1007-401

SUMMARY A&B	,
MATERIAL	58892.00 →
ACCT. HDLG. FRT. TRANSP. 0.14	8244.88
LABOR	8800.00 *
ENGINEERING	5275.00
LABOR ADDITIVE 0.8904	7835.52
ENGINEERING ADDITIVE 0.4132	2479,25
SUBSISTENCE	2400.00
RENTAL OF EQUIPMENT	1600.00
CONTINGENCIES	9553.35
тотат. А&В	105080.00